

Java Development an Ideal solution for Web Based Document Management System

Java is basically a programming language and a computing platform which was originally developed by James Gosling released by Sun Micro systems (which has now merged with Oracle Corporation). The syntax of **Java Application Development** is derived from languages like C and C++ but has low level facilities and a simple object model. Applications of Java are compiled to byte code. The main advantage by this is that it can run on any JVM (Java Virtual Machine) regardless of the computer architecture. It is beneficial for developers as they need not write and compile the code again and again for different platforms. The concept is WORA which state "Write Once, Run Anywhere". As of 2012, Java has become one of the popular and widely used programming languages. It is accounted at it has 10 Million users for Client-Server Web applications.

At the time of creating Java.

Primarily, there were 5 goals which were set while creating this language:-

- Language must be simple, familiar and Object oriented.
- Language must be secure and robust.
- Language must be neutral with architecture and should be portable.
- Execution of the language should be with high performance.
- Language must be interpreted, dynamic and threaded.

Why do we need document management?

A document management system (DMS) is a computer system (or set of computer programs) used to track and store electronic documents. It is usually also capable of keeping track of the different versions modified by different users (history tracking). The term has some overlap with the concepts of content management systems. It is often viewed as a component of enterprise content management (ECM) systems and related to digital asset management, document imaging, workflow systems and records management systems.

All companies generate a lot of documents - protocols, reports, pictures and other one. One of the most time-consuming processes is to find a document containing the information you need. In a computer network every user stores his documents in a folder on his hard disk. Nobody knows which information's are stored in the virtual brain of the company and which information's are still needed.

How can a document system support the process of document management?

A document management system supports its user by capturing, publishing, finding, and storing electronic documents. One of the value added features is to store all documents with meta-information like title, author, keywords, and language. Another feature is to organize documents by different criteria's. **Document Management Software** systems are multi-user systems and often based

on database management systems.

Features:

- Allows users to store documents at a central location
- List Personal and public documents based on upload date
- Security enabled to keep personal documents protected
- User can upload a document as public to allow a read only access of it to everyone but delete permission to himself only
- Search documents based on tags, name, title, comments etc.

As java was one of the main source of Web Based Document Management System, thus we can say java is an ideal solution for Web Based Document Management System